

[illegible]

As a below inventor, I hereby declare that:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

the specification of which

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

(Number)	(Country)	(Filing Date)
----------	-----------	---------------

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Prior Provisional U.S. Patent Application(s):

(Application Serial No.)

I hereby claim the benefit under Title 35, United States, Section 120 of any United States application(s) or any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information which is material to patentability as defined in Title 37, of Federal Regulations Code, Section 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Patent Application(s):

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Steven M. Auvil,	Reg. No. 40,492	Mark E. Bandy,	Reg. No. 35,788
Brian G. Bembenick	Reg. No. 41,463	John P. Cornely,	Reg. No. 41,687
Joseph D. Dreher,	Reg. No. 37,123	Christopher B. Fagan,	Reg. No. 22,987
Jude A. Fry,	Reg. No. 38,340	Steven M. Haas,	Reg. No. 37,841
W. Scott Harders,	Reg. No. 42,629	Michael E. Hudzinski,	Reg. No. 34,185
Richard M. Klein,	Reg. No. 33,000	Thomas E. Kocovsky, Jr.,	Reg. No. 28,383
Sandra M. Koenig,	Reg. No. 33,722	Brian E. Kondas,	Reg. No. 40,685
Scott A. McCollister,	Reg. No. 33,961	James W. McKee,	Reg. No. 26,482
Richard J. Minnich,	Reg. No. 24,175	Jay F. Moldovanyi,	Reg. No. 29,678
Philip J. Moy,	Reg. No. 31,280	Timothy E. Nauman,	Reg. No. 32,281
Scott C. Rand,	Reg. No. 40,359	Patrick R. Roche,	Reg. No. 29,580
Jim Scarbrough,	Reg. No. 47,056	Ann M. Skerry,	Reg. No. 45,655
Albert P. Sharpe, III,	Reg. No. 19,879	R. Scott Speroff,	Reg. No. 37,450
Mark S. Svar,	Reg. No. 34,261	John E. Beck,	Reg. No. 22,833
Richard B. Domingo,	Reg. No. 36,784	Henry Fleischer,	Reg. No. 25,582
Mark Costello,	Reg. No. 31,342	Eugene O. Palazzo,	Reg. No. 20,881
Lloyd F. Bean, II,	Reg. No. 37,775		

SEND CORRESPONDENCE TO:

Albert P. Sharpe, III, Esq.
Fay, Sharpe, Fagan,
Minnich & McKee, LLP
1100 Superior Avenue, 7th Floor
Cleveland, OH 44114-2518

DIRECT TELEPHONE CALLS TO:

(name and telephone number)

Albert P. Sharpe, III
(216) 861-5582

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Andover, MA 01810

Arlington, MA 02474

Groton, MA 01450

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney's Docket No. XER 20374
D/A0600

As a below inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PARTIAL PRINT PROVIDER

the specification of which

 x is attached hereto OR was filed on
Application Serial No.
and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

<u> </u>	<u> </u>	<u> </u>
(Number)	(Country)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Prior Provisional U.S. Patent Application(s):

<u> </u>	<u> </u>
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States, Section 120 of any United States application(s) or any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information which is material to patentability as defined in Title 37, of Federal Regulations Code, Section 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Patent Application(s):

<u> </u>	<u> </u>	<u> </u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Steven M. Auvil,	Reg. No. 40,492	Mark E. Bundy,	Reg. No. 35,788
Brian G. Bembelick	Reg. No. 41,463	John P. Comely,	Reg. No. 41,687
Joseph D. Dreher,	Reg. No. 37,123	Christopher B. Fagan,	Reg. No. 22,987
Jude A. Fry,	Reg. No. 38,340	Steven M. Haas,	Reg. No. 37,841
W. Scott Harders,	Reg. No. 42,629	Michael E. Hudzinski,	Reg. No. 34,185
Richard M. Klein,	Reg. No. 33,000	Thomas E. Kocovsky, Jr.,	Reg. No. 28,383
Sandra M. Koenig,	Reg. No. 33,722	Brian E. Kordas,	Reg. No. 40,685
Scott A. McCollister,	Reg. No. 33,961	James W. McKee,	Reg. No. 26,482
Richard J. Minnich,	Reg. No. 24,175	Jay F. Moldovanyi,	Reg. No. 29,678
Philip J. Moy,	Reg. No. 31,280	Timothy E. Neuman,	Reg. No. 32,283
Scott C. Rand,	Reg. No. 40,359	Patrick R. Roche,	Reg. No. 29,580
Jim Scarbrough,	Reg. No. 47,056	Ann M. Skerry,	Reg. No. 45,655
Albert P. Sharpe, III,	Reg. No. 19,879	R. Scott Speroff,	Reg. No. 37,450
Mark S. Svut,	Reg. No. 34,261	John E. Beck,	Reg. No. 22,833
Richard B. Domingo,	Reg. No. 36,784	Henry Fleischer,	Reg. No. 25,582
Mark Costello,	Reg. No. 31,342	Eugene O. Palazzo,	Reg. No. 20,881
Lloyd F. Bean, II,	Reg. No. 37,775		

SEND CORRESPONDENCE TO:

Albert P. Sharpe, III, Esq.
Fay, Sharpe, Fagan,
Minnich & McKee, LLP
1100 Superior Avenue, 7th Floor
Cleveland, OH 44114-2518

DIRECT TELEPHONE CALLS TO:
(name and telephone number)

Albert P. Sharpe, III
(216) 861-5582

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor: Christine Miyachi

Inventor's Signature: _____ Date: _____
Residence: Andover, MA
Country of Citizenship: U.S.A.

Post Office Address:
19 Windmere Dr.
Andover, MA 01810

Full name of second joint inventor: Hang Zhang

Inventor's Signature: _____ Date: _____
Residence: Arlington, MA
Country of Citizenship: U.S.A.

Post Office Address:
20 Tufts Street, #304
Arlington, MA 02474

Full name of third joint inventor: Daniel Romano

Inventor's Signature:  Date: 11/29/00
Residence: Groton, MA
Country of Citizenship: U.S.A.

Post Office Address:
30 Painted Post Rd.
Groton, MA 01450

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney's Docket No. XER 20374
D/A0600

As a below inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PARTIAL PRINT PROVIDER

the specification of which

 X is attached hereto OR was filed on
Application Serial No.
and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

_____	_____	_____
(Number)	(Country)	(Filing Date)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Prior Provisional U.S. Patent Application(s):

_____	_____
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under Title 35, United States, Section 120 of any United States application(s) or any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information which is material to patentability as defined in Title 37, of Federal Regulations Code, Section 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Patent Application(s):

_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status)
		(patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Steven M. Auvil,	Reg. No. 40,492	Mark E. Bandy,	Reg. No. 35,788
Brian G. Bembenick	Reg. No. 41,463	John P. Cornely,	Reg. No. 41,687
Joseph D. Dreher,	Reg. No. 37,123	Christopher B. Fagan,	Reg. No. 22,987
Jude A. Fry,	Reg. No. 38,340	Steven M. Haas,	Reg. No. 37,841
W. Scott Harders,	Reg. No. 42,629	Michael E. Hudzinski,	Reg. No. 34,185
Richard M. Klein,	Reg. No. 33,000	Thomas E. Kocovsky, Jr.,	Reg. No. 28,383
Sandra M. Koenig,	Reg. No. 33,722	Brian E. Koodas,	Reg. No. 40,685
Scott A. McCallister,	Reg. No. 33,961	James W. McKee,	Reg. No. 26,482
Richard J. Minnich,	Reg. No. 24,175	Jay F. Moldovanyi,	Reg. No. 29,678
Philip J. Moy,	Reg. No. 31,280	Timothy E. Nauman,	Reg. No. 32,283
Scott C. Rand,	Reg. No. 40,359	Patrick R. Roche,	Reg. No. 29,580
Jim Scarbrough,	Reg. No. 47,056	Ann M. Skerry,	Reg. No. 45,655
Albert P. Sharpe, III,	Reg. No. 19,879	R. Scott Speroff,	Reg. No. 37,450
Mark S. Svat,	Reg. No. 34,261	John E. Beck,	Reg. No. 22,833
Richard B. Domingo,	Reg. No. 36,784	Henry Fleischer,	Reg. No. 25,582
Mark Costello,	Reg. No. 31,342	Eugene O. Palazzo,	Reg. No. 20,881
Lloyd F. Bean, II,	Reg. No. 37,775		

SEND CORRESPONDENCE TO:

Albert P. Sharpe, III, Esq.
Fay, Sharpe, Fagan,
Minnich & McKee, LLP
1100 Superior Avenue, 7th Floor
Cleveland, OH 44114-2518

DIRECT TELEPHONE CALLS TO:
(name and telephone number)

Albert P. Sharpe, III
(216) 861-5582

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

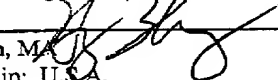
Full name of sole or first joint inventor: Christine Miyachi

Inventor's Signature: _____ Date: _____
Residence: Andover, MA
Country of Citizenship: U.S.A.

Post Office Address:

19 Windmere Dr.
Andover, MA 01810

Full name of second joint inventor: Hang Zhang

Inventor's Signature:  Date: 11/28/00
Residence: Arlington, MA
Country of Citizenship: U.S.A.

Post Office Address:

20 Tufts Street, #304
Arlington, MA 02474

Full name of third joint inventor: Daniel Romano

Inventor's Signature: _____ Date: _____
Residence: Groton, MA
Country of Citizenship: U.S.A.

Post Office Address:

30 Painted Post Rd.
Groton, MA 01450